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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known					
Application Number	10/630,351				
Filing Date	July 30, 2003				
First Named Inventor	Andrew Gordon				
Art Unit	1723				
Examiner Name	Krishnan S. Menon				
Attorney Docket Number	8021-30				

			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (F Anount)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
M	5	^{US-} 3,171,808	03-02-1965	Todd	
(A)	5	^{US-} 2002/0125190 A1	09-12-2002	Bosley	
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		FORE	IGN PATENT DOCL	MENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ 'Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	√°
ZW/		EP 0 959 048 A1	11-24-1999	Nakamura et al.		
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Examiner Signature Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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 Application Number
 10/630,351

 Filing Date
 7/30/2003

 First Named Inventor
 Gordon, et al.

 Art Unit
 1723

 Examiner Name
 Not yet assigned

 Attorney Docket Number
 37861/277592

(Use as many sheets as necessary)

Sheet 1 of 4

			U.S. PATENT DOC	UMENTS	
Examiner Initials	Cite No.'	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
M		US - 3,456,802	07/22/1969	Cole	Ì
*		US - 3,632,505	01/04/1972	Nelson	
		US - 3,841,976	10/15/1974	Scott et al.	
		US - 4,134,732	01/16/1979	Jackson	
		US - 4,335,576	06/22/1982	Hopfe	
		US - 4,452,696	06/05/1984	Lopez	
		US - 5,229,005	07/20/1993	Fok, et al.	
		US - 5,840,159	11/24/1998	Rosenblad	
		US - 5,997,737	12/07/1999	Sturdevant, et al.	1
		US - 6,076,364	06/20/2000	Stripp	
		US - 6,185,940	02/13/2001	Prueitt	
		US - 6,348,148	02/19/2002	Bosley	
		US - 6,363,873	04/02/2002	Thomas	
1		US - 6,375,842	04/23/2002	Graham	
1	L.	US - 2002/0060192	05/23/2002	Max	

		FOREIGN PA	TENT DOCU	MENTS		
Examiner	Cite	Foreign Patent Document	O Alfredia	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T°
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Jan		CA 1050899	3/20/1979	Izard et al.		
1		GB 1 233 005	6/14/1967	Kentfield	1	
		DE 19640460	4/9/1998	Altmann		<u> </u>
		EP 1 199 098 A1	4/24/2002	Bowler		
		WO 02/068338A2	9/06/2002	Liberman et al.		
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Examiner Signature	XKXI	Menn	Date Considered	12/6/05	

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Substitute for form 1449B/PTO Complete if Known Application Number 10/630,351 INFORMATION DISCLOSURE Filing Date 7/30/2003 STATEMENT BY APPLICANT First Named Inventor Gordon, et al. Art Unit 1723 (Use as many sheets as necessary) Examiner Name Not yet assigned Sheet of Altomey Docket Number 37861/277592

			NON PATENT LITERATURE DOCUMENTS	
Exam Initial		Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Ţ ²
\a	W		PACENTI, P., et al., "Deployment of a submarine reverse osmosis desalination prototype plant (RODSS): field tests and preliminary technical evaluations," CAS Section –161; CAS Subsection – 004, Vol. 138, No. 1-3, pp. 181, 2001 Elsevier Science B. V., (Abstract Only)	
			LAMPE, Harald, et al., "PCS – Preussag Conversion System. RTM. Mobile floating seawater desalination plant," CAS Section – 161; CAS Subsection – 004; Vol. 114, pp. 145-151, 1997 Elsevier Science B. V.	
	٠		YANG, YANZHOU, "RO Plants in Marine Desalination for ships and Submarines," SHUICHULI JISHU, 1994, Vol. 20, Iss. 2, pp. 105-109, CAS Section-161; CAS Subsection –004.	√
			GALLOWAY, M. et al. "UF for seawater RO pretreatment"; 2003, pp. 1-12, American Water Works Association Membrane Technology Conference.	
			REALI, M., et al., "Submarine and underground reserve osmosis schemes for energy-efficient seawater desalination," Desalination, 1997, pp. 269-275, Vol. 109, No. 3, ENEL SpA (DSR-CRIS), Milano, Spain.	
d			PIZZINO, Joseph F., "Operation of a 2000 Gallon per day Reverse Osmosis Desalination System Aboard MONOB (YAG-610)", 1979, 28 pages, Citations from Energy Science and Technology (DOE): EDB.	

	Examiner Signature	Menm	Date Considered	12/6/05
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MICODI			OL OCUPE	Application Number	10/630,351	
INFORMATION DISCLOSURE				Filing Date	7/30/2003	
STATE	MENT BY	Y AI	PPLICANT	First Named Inventor	Gordon, et al.	
				Art Unit	1723	
(U	lse as many she	ets as	necessary)	Examiner Name	Not yet assigned	
Sheet :	3	of	4	Attorney Docket Number	37861/277592	

	,	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
1am		HUMPHRIES, J. R. et al., "A floating desalination/co-generation system using the KLT-40 reactor and Canadian RO desalination technology"; 2000, pp. 41-52.	
		PANOV, Yu, "Equipment and materials for coupling interfaces of a nuclear reactor with desalination and heating plants based on floating NHPS;" Nuclear heat applications: Design aspects and operating experience, IAEA-TECDOC-1056, Vienna (1995-1998), pp. 249-262.	
		MITENKOV, F. M., et al., "Floating nuclear power – Desalination complex using a nuclear power plant of the KLT-40 type and the reverse osmosis process," 1997, pp. 255-268, IAEA, Vienna, Austria.	
		PANOV, Yu., et al., "Use of reaction plants of enhanced safety for sea water desalination, industrial and district heating"; Conference Advisory group meeting on non-electric application of nuclear energy, Jakarta, Indonesia, 1997, pp. 281-293 Citations from Engineering Index; EIX.	
		PACENTI, Paolo, et al., "Submarine seawater reverse osmosis desalination system"; Conference Proceedings of the 1999 European Conference on Desalination and the Environment, Las Palmas, Spain, 1999, p. 213-218.	
1		PETERS, Thomas A., "Desalination of seawater and brackish water with reserve osmosis and the disc tube module DT"; Conference Proceedings of the 1999 WSTA Fourth Gulf Water Conference, Manama, Bahrain, October 10, 1999, p. 149-155.	

Examiner Signature	M	Venn	Date Considered	12/6/05

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/CM		COLUMBO, D., et al., Energy-efficient submarine desalination plant," Conference Proceedings of the 1998 International Workshop on Desalination Technologies or Small and Medium Size Plants with Limited Environmental Impact" Rome, Italy, 1999, pp. 171-176.	
		VEGA, LUIS A., "Economics of ocean thermal energy conversion (OTEC)," IEEE Journal of Solid-State Circuits, 1992, pp. 152-181, Pacific Intl. Cntr. for High Technology Research, Honolulu, HI.	
		PIZZINO, Joseph F., et al., "Reverse osmosis for surface ship desalination. An overview, Naval Engineers Journal, May, 1991, pp. 126-135, David Taylor Research Center, Annapolis, MD.	
		VIGO, F., et al., "Suitability of reverse osmosis membranes for energy recovery by submarine osmotic power plants," Desalination, 1986, pp. 45-57, Vol. 60, No. 1, Inst. Ind. Chem. Univ. Genoa, Italy	
		ROSE, C. D., "Current Design and application of marine evaporators, " Marine Tech., Oct. 1983, Vol. 20, No. 4, pp. 348-355.	
		"Desalination Ship" Pamphlet prepared by Advanced Environmental Water Technologies, Inc.	
V		PCT Search Report - mailed 07/09/2004	

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